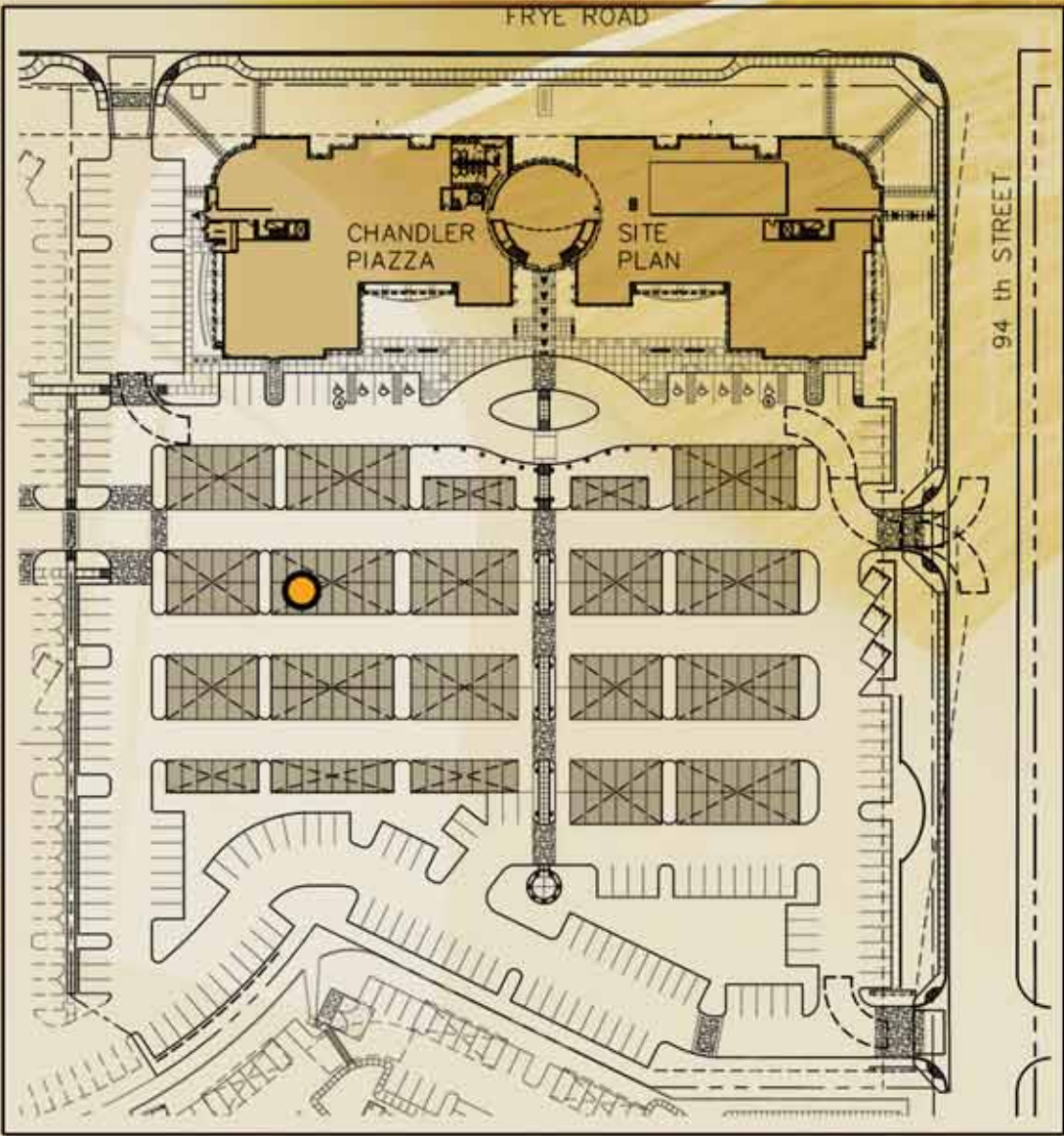


# PROJECT : MOMENTUM CHANDLER PIAZZA



**SUSTAINABLE SITE:** The site itself helps to make the building “green.” Over 50% of the parking is covered. The cover of the parking structure sports the photovoltaic cells that generate (1%) some of the power for the facility. There is access to public transportation and bike parking and changing/shower facilities are available. In addition, the **Energy Star** roof reflects heat and light typically absorbed. With the exception of emergency lighting, lighting is automatically shut off when the building is not in use.

**INDOOR ENVIRONMENTAL QUALITY:** Everything from the materials used to construct the building to the way sunlight affects the building were taken into consideration for the comfort and productivity of the employees.

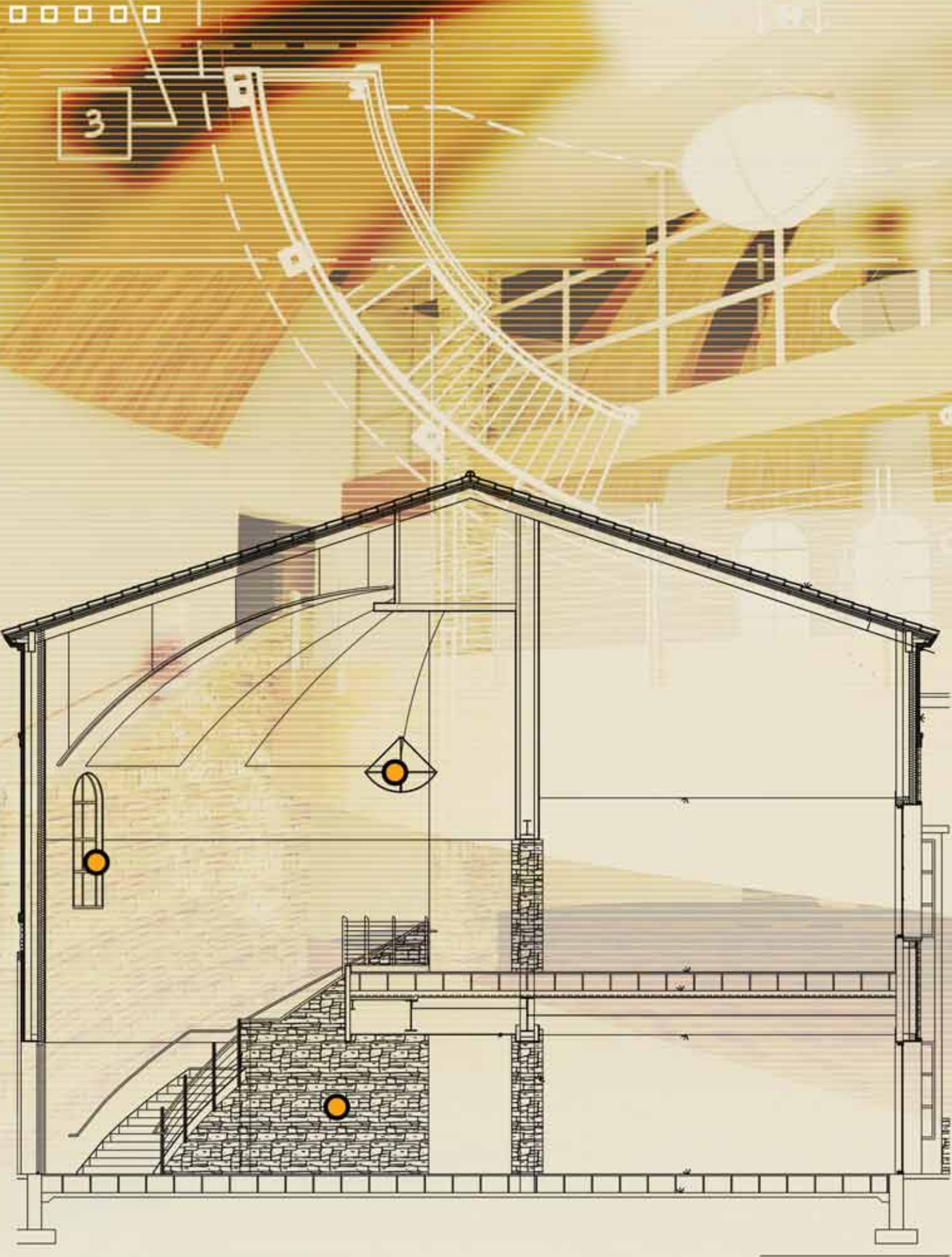
**LIGHT & VIEWS:** Large windows and architectural elements will create a bright, pleasant work environment. However, energy efficient design and engineering decisions such as recessed windows and glazing will decrease solar penetration. Ninety percent of occupied spaces will have a direct line of sight to outdoor views and 75% of the spaces will be naturally lit.

**RECYCLE:** During construction over 75% of the construction waste will be recycled. Once the building is operational there will be areas specially built for employees to recycle waste and green housekeeping measures will be employed.



**MATERIALS & RESOURCES:** Recognizing the scarcity of the earth's resources and the energy used to manufacture, harvest, extract or recover and, then, transport them, preference will be given to materials produced within 500 miles of the site. Rapidly renewable materials as well as those that have a 20% or greater post-consumer recycled content will be used extensively in the project. Fifty percent of the wood used will be certified by the Forest Stewardship Council. And, over 75% of construction waste will be separated and recycled.

**Chandler Piazza:**  
Two (2) Story Office Building  
Building Area - 74,000 g.s.f.



**i \* Energy Use Intensity (EUI) = 125.1 kBtu/sf/yr**

**\* Percent CO2 reduction = 68%**

**\* ENERGY STAR design rating = 99**

**ANNUAL SAVINGS STATISTICS**  
(compared to an average building EPA rating of 50)

**\* Energy savings = 19,446,685 kBtu**

**\* CO2 savings = 1,073 tons CO2**



**ENERGY & ATMOSPHERE:** Building systems chosen will reduce energy cost up to 35%. Avoiding HCFC materials and using non halons in the HVAC/Fire suppression equipment will preserve the ozone. Perhaps, most importantly, alternative and renewable energy sources are being used. Photovoltaic cells will generate some of the building's electricity.

**AIR:** A special underflow air delivery system including a raised access floor will provide fresh air, better temperature controls, and energy savings. The building prohibits smoking indoors, while the special (designated) outdoor smoking areas are designed to keep smoke from entering the buildings. CO2 levels are monitored and fresh air will flow into the work spaces should the levels hit an unacceptable high. The building, in general, will exceed the air ventilation rates 30% over acceptable standards. Also, special low-VOC emitting materials will be used on the walls and floors and in the carpet (throughout the building).

**WATER EFFICIENCY:** The building will limit the use of potable water for the landscape by 50%. Wastewater will be reduced by 50% using water saving fixtures like waterless urinals and bathroom sinks with automatic shutoff. When compared to conventional office operations project is projected to reduce water usage by 30%.



**CHANDLER | piazza**

CHANDLER AZ

**MOMENTUM**  
DEVELOPMENT COMPANY, LLC



**DESIGNED  
TO EARN THE  
ENERGY STAR**

The estimated energy performance for this design meets US EPA criteria. The building will be eligible for ENERGY STAR after maintaining superior performance for one year.

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